

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mitsuaki Oshima et al. : Art Unit: 2134  
Serial No.: 09/588,364 : Examiner: P. E. Callahan  
Filed: November 17, 1995 :  
For: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK :

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Technology Center 2100

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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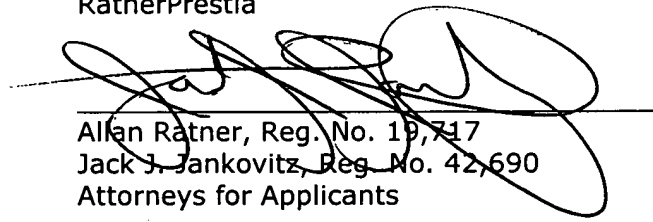
The undersigned surrendered to the Patent Office on November 22, 2002, an original Letters Patent No. 5,761,301. The original patent was given to Landon and Stark Associates who delivered it to Technology Center 2100.

Proof that the original patent was received in Technology Center 2100 on November 22, 2002 is shown in the attached copy of a postcard.

To the best knowledge of the undersigned, the original patent was delivered to the Technology Center 2100 on November 22, 2002. The Patent Office cannot find this original patent and the undersigned, therefore, believes that the original patent is now lost.

Respectfully Submitted,

RatnerPrestia



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Dated: December 20, 2002

Enclosure: Copy of postcard

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The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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NAME: OSHIMA ET AL.

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✓ SURRENDER OF ORIGINAL PATENT Serial No.: 09/588,864

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*Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this*

United States Patent

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*If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.*

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*Bence Lehman*

Commissioner of Patents and Trademarks

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Attest



US005761301A

**United States Patent** [19]

Oshima et al.

[11] Patent Number: **5,761,301**[45] Date of Patent: **Jun. 2, 1998**

[54] **MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK**

[75] Inventors: **Mitsuaki Oshima. Kyoto: Yoshiho Gotoh. Osaka. both of Japan**

[73] Assignee: **Matsushita Electric Industrial Co., Ltd., Osaka. Japan**

[21] Appl. No.: **560,015**

[22] Filed: **Nov. 17, 1995**

[30] **Foreign Application Priority Data**

Nov. 17, 1994	[JP]	Japan	6-283415
Feb. 2, 1995	[JP]	Japan	7-016153
Oct. 9, 1995	[JP]	Japan	7-261247

[51] Int. Cl.<sup>6</sup> ..... **H04K 1/00**

[52] U.S. Cl. .... **380/4; 369/272; 235/494**

[58] Field of Search ..... **380/4; 369/272; 369/273, 286, 292, 52; 235/494**

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Primary Examiner—David C. Cain

Attorney, Agent, or Firm—Ratner & Prestia

#### [57] ABSTRACT

An object of the present invention is to provide a marking forming apparatus, a method of forming a laser marking on an optical disk, a reproduction apparatus, an optical disk, and a method of manufacturing an optical disk, capable of providing a greatly improved copy prevention capability as compared to prior known construction. To achieve this object, in the optical disk of the invention, for example, a marking is formed by a laser on a reflective film of a disk holding data written thereon and at least position information of the marking or information concerning the position information is written on the disk in an encrypted form or with a digital signature appended thereto.

**27 Claims, 43 Drawing Sheets**

